





**PAGER** Version 11

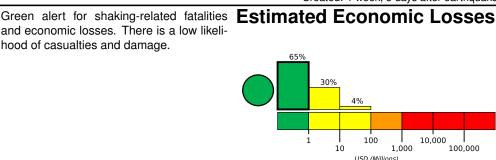
Created: 1 week, 5 days after earthquake

**M 4.3, 6 km NW of Parkfield, CA**Origin Time: 2023-08-10 19:17:17 UTC (Thu 12:17:17 local)
Location: 35.9721° N 120.4215° W Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov **Estimated Fatalities** 10,000

1,000

and economic losses. There is a low likelihood of casualties and damage.



**Estimated Population Exposed to Earthquake Shaking** 

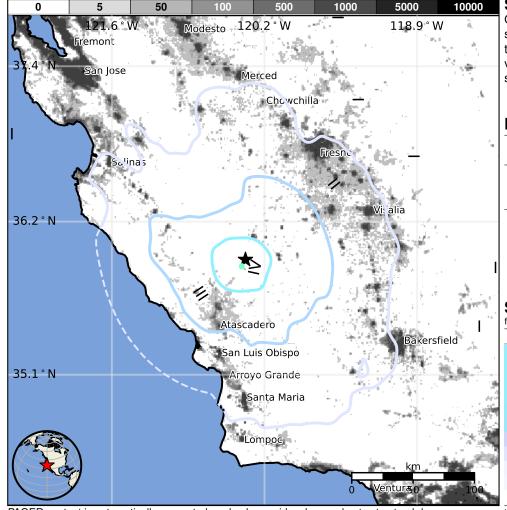
100,000

ESTIMATED POPULATION EXPOSURE (k=x1000)		9,514k*	3,125k	1k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan



### PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/nc73922596#pager

## **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

## **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1991-06-28	292	5.6	VI(1,267k)	1
2003-12-22	70	6.6	VI(8k)	2
1971-02-09	254	6.6	IX(21k)	65

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

# **Selected City Exposure**

from Geonames.org					
City	Population				
San Miguel	2k				
Avenal	16k				
Coalinga	13k				
Shandon	1k				
Huron	7k				
Templeton	8k				
Fresno	495k				
Bakersfield	347k				
Fremont	214k				
San Jose	946k				
North Glendale	203k				
	City San Miguel Avenal Coalinga Shandon Huron Templeton Fresno Bakersfield Fremont San Jose				

bold cities appear on map.

(k = x1000)

Event ID: nc73922596